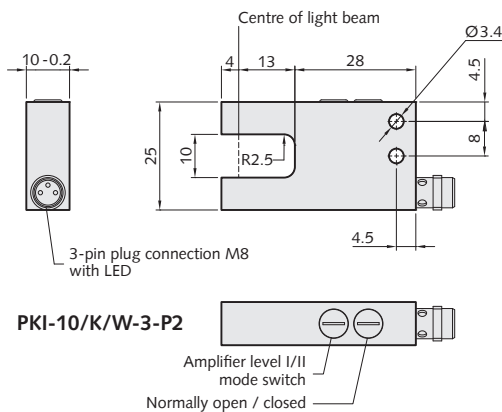


PKI 10 mm K-series

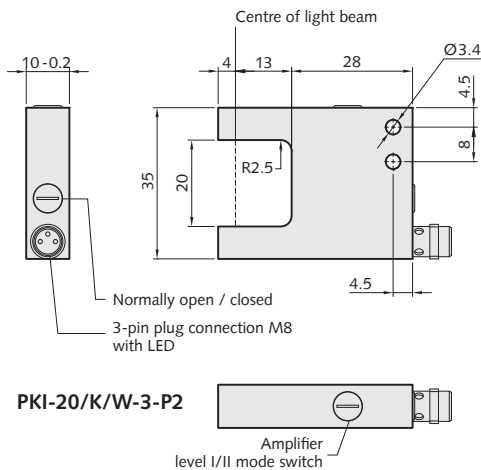
Single-beam infrared fork light barriers with integrated amplifier – connector M8 – 3-pin



measure. analyze. innovate.



PKI-10/K/W-3-P2



PKI-20/K/W-3-P2

Application

Position control
Counting parts

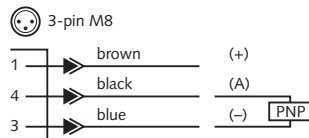
Specifications

| | |
|----------------------------------|----------------------------|
| Circuit | Chopped light trigger |
| Operating voltage | 12 – 30 VDC |
| Current consumption | max. 60 mA |
| Mode of operation | static |
| Sensitivity | 2 levels : I/II |
| Output with LED | PNP |
| Function | normally open/closed |
| Load current | 200 mA short-circuit proof |
| Repeating accuracy | < 0.02 mm |
| Frequency | 4 KHz |
| Temperature range | 0°C – 60°C |
| EMC according to 2014/30/EU | EN 61000... c€ |
| System of protection | IP 65 |
| General tolerance of the housing | DIN ISO 2768-m |

Resolution

| | |
|---|---------|
| Fork width A [mm]: | 10 – 20 |
| Part diameter [mm] with amplifier level I: | 0.5 |
| Part diameter [mm] with amplifier level II: | 0.6 |

Pin configuration



Recommendations/instructions for the use of the dual-level chopped light amplifier:

Amplifier level I → High resolution:
Default setting for all fork light barriers

Amplifier level II → High operational reliability:
For fork light barriers when used in oil mist or dusty surroundings. The operational reliability is twice the level of amplifier level I.

Article

Order No.

| | |
|-----------------|-----------------|
| PKI-10/K/W-3-P2 | 6331-00000-3064 |
| PKI-20/K/W-3-P2 | 6333-00001-3064 |

Accessories (more accessories, see last pages)

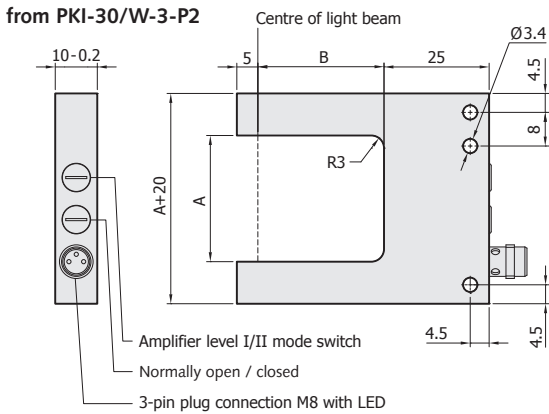
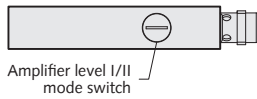
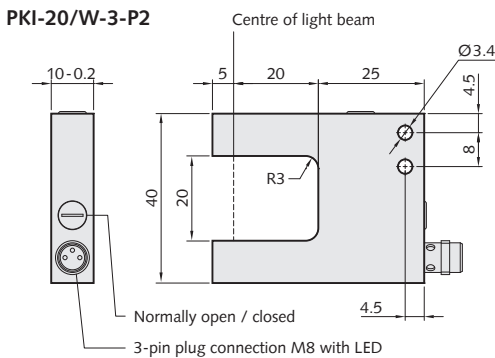
| Article | Order No. |
|-------------------------|-----------------|
| Connection cable: | |
| VK-M8-g (5 m, straight) | 2111-00005-0300 |
| VK-M8-w (5 m, angled) | 2111-00005-1300 |

PKI 10 mm series

Single-beam infrared fork light barriers with integrated amplifier – connector M8 – 3-pin



measure. analyze. innovate.



| | | | |
|---------|----|----|----|
| A [mm]: | 30 | 50 | 80 |
| B [mm]: | 30 | 50 | 50 |

Application

Position control
Counting parts

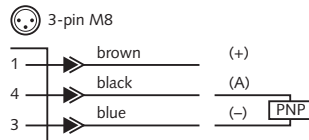
Specifications

| | |
|----------------------------------|----------------------------|
| Circuit | Chopped light trigger |
| Operating voltage | 12 – 30 VDC |
| Current consumption | max. 60 mA |
| Mode of operation | static |
| Sensitivity | 2 levels : I/II |
| Output with LED | PNP |
| Function | normally open/closed |
| Load current | 200 mA short-circuit proof |
| Repeating accuracy | < 0.02 mm |
| Frequency | 4 KHz |
| Temperature range | 0°C – 60°C |
| EMC according to 2014/30/EU | EN 61000... cE |
| System of protection | IP 65 |
| General tolerance of the housing | DIN ISO 2768-m |

Resolution

| | | | | |
|---|-----|-----|-----|-----|
| Fork width A [mm]: | 20 | 30 | 50 | 80 |
| Part diameter [mm] with amplifier level I: | 0.5 | 0.6 | 0.8 | 0.9 |
| Part diameter [mm] with amplifier level II: | 0.6 | 0.8 | 0.9 | 1.1 |

Pin configuration



Article

| Article | Order No. |
|---------------|-----------------|
| PKI-20/W-3-P2 | 6333-00000-3064 |
| PKI-30/W-3-P2 | 6336-00000-3064 |
| PKI-50/W-3-P2 | 6374-00000-3064 |
| PKI-80/W-3-P2 | 6376-00000-3064 |

Recommendations/instructions for the use of the dual-level chopped light amplifier:

Amplifier level I → High resolution:

Default setting for all fork light barriers.

Amplifier level II → High operational reliability:

For fork light barriers when used in oil mist or dusty surroundings. The operational reliability is twice the level of amplifier level I.

Accessories (more accessories, see last pages)

| Article | Order No. |
|-------------------------|-----------------|
| Connection cable: | |
| VK-M8-g (5 m, straight) | 2111-00005-0300 |
| VK-M8-w (5 m, angled) | 2111-00005-1300 |